

# RPII Inspector Issued Report

Issued by: Elliotts Inspections

Date Issued: 16/06/2026

Date Expires: 16/06/2027

RPII Reg Number: AI0223

Place of Inspection: On site at customer location



Unique Report Number: 222

Result: **Passed Inspection**

## Unit Details

Description: red and blue equalizer

Manufacturer: airquee

Size (m): Width: 2.9 Length: 11.8 Height: 2.4

Serial: p59089

Unit Type: equalizer

Unit Owner: connolans castles

## User Height/Count

Containing Wall Height: 1.8m

Comment: Lowest wall height taken from adjacent platform.

Tallest Platform Height: 0.6m

Comment:

Tallest User Height: 1.8m

Comment: Calculated using lowest containing wall height minus the platform height or the relevant slide calculations where appropriate.

Internal Play Area Length: 1m

Comment: n/a

Internal Play Area Width: 1m

Comment: n/a

Negative Adjustment: 0m

Comment: Approx square metre taken by obstacles, biff bash, mounds etc.

Users @ 1.0m: 0 Users @ 1.2m: 2 Users @ 1.5m: 2 Users @ 1.8m: 2

## Slide

Slide Platform Height: 0m

Comment: Not Applicable

Containing Wall Height: 0m

Comment: Not Applicable

First Metre Slide Wall Height: 0

Comment: Not Applicable

Remaining Slide Wall Height: 0m

Comment: Not Applicable

Perm Slide Roof Fitted: False

Comment: Not Applicable

Steps/Clamber Netting Pass/Fail: False

Comment: Not Applicable

Slide Run Out: 0m

Slide Run Out Pass/Fail: False

Comment: Not Applicable

Slip Sheet Integrity Pass/Fail: False

Comment: Not Applicable

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## Structure

Seam Integrity Pass/Fail: True

Comment: Secure and no loose stitching.

Lock Stitching Pass/Fail: True

Comment: Lock stitching used.

Stitch Length: 4mm

Stitch Length Pass/Fail: True

Comment: Stitching between 3mm - 8mm

Air Loss Pass/Fail: True

Comment: No significant air loss or unintended holes.

Walls and Turrets Vertical Pass/Fail: True

Comment: Walls Vertical and gradient no greater than +-5% where intended.

Sharp/Square/Pointed Edges Pass/Fail: True

Comment: No sharp or pointed edges in play area or easily accessible.

Blower Tube Distance: 1.40m

Blower Tube Pass/Fail: True

Comment: Inflate blower tube is at least 1.2m from edge of cone to inflatable.

Unit Stable Pass/Fail: True

Comment: Unit is stable.

Evacuation Time: 15

Evacuation Time Pass/Fail: True

Comment: Evacuation time sufficient for intended users to exit safely under supervision.

Step/Ramp Size: 0m

Step/Ramp Size Pass/Fail: True

Comment: Step/Ramp tread depth is equal to or more then 1.5 times the adjacent attached playing area.

Critical Fall Off Height: 0.6m

Critical Fall Off Height Pass/Fail: True

Comment: Critical Fall Off Height is a max of 0.6m

Critical Fall Off Height: 0.6m

Critical Fall Off Height Pass/Fail: True

Comment: Critical Fall Off Height is a max of 0.6m

Unit Pressure: 1Kpa

Unit Pressure Pass/Fail: True

Comment: Pressure is a minimum of 1.0 KPA

Trough Depth: 150mm

Trough Adjacent Panel Width: 650mm

Trough Pass/Fail: True

Comment: Trough Depth is no more than one third (1/3) of the adjacent panel width.

Entrapment Pass/Fail: True

Comment: No entrapments.

Markings/ID Pass/Fail: True

Comment: Blower, User Height, Max Users, Unique ID, Year of Manufacture & Address and Standard Version.

Grounding Pass/Fail: True

Comment: 25kg @ 1m, 35kg @ 1.2m, 65kg @ 1.5m and 85kg @ 1.8m

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## Anchorage

Total Number of Anchors: 10

Number of Base Anchors: 10

Number of High Anchors: 0

Number of Anchors Pass/Fail: True

Comment: Calculated sufficient number of anchor points per side.

Anchor Accessories Pass/Fail: True

Comment: Produced correct amount of stakes at 380mmx16mm with rounded top and no visible cracks.

Anchors Between 30-45° Pass/Fail: True

Comment: Anchors are at an angle to the ground of 30° to 45°

Anchors Perm Closed Pass/Fail: True

Comment: Metal and permanently closed.

Pull Strength Pass/Fail: True

Comment: Meets the 1600 newton pull requirement test using 163kg pull system

## Totally Enclosed

Number of Exits: 0

Number of Exits Pass/Fail: False

Comment: Not Applicable

Number of Exits Pass/Fail: False

Comment: Not Applicable

## Materials

Ropes: 18mm

Ropes Pass/Fail: True

Comment: Between 18mm - 45mm. Fixed at both ends, no greater than 20% swing to prevent strangulation.

Clamber Netting Pass/Fail: True

Comment: Not monofilament, no entrapment and at least 12mm diameter, securely knotted and no fraying, securely fastened.

Retention Netting Pass/Fail: True

Comment: Vertical netting > 1m mesh size is no greater than 30mm. Roof netting mesh size no greater than 8mm.

Zips Pass/Fail: True

Comment: Zips easily open/close and covered. Open both sides where applicable.

Windows Pass/Fail: True

Comment: Retention netting strong enough to support heaviest user for whom it is designed. No entrapment.

Artwork Pass/Fail: True

Comment: Not flaking - Manufacturer to supply conformity report to EN 71-3

Thread Pass/Fail: True

Comment: Manufacturer to provide conformity report to confirm thread is non-rotting yarn and has a tensile strength of 88 newtons.

Fabric Strength Pass/Fail: True

Comment: Manufacturer to provide conformity report to confirm tensile strength of 1850 and tear strength of 350 newtons.

Fire Retardent Pass/Fail: True

Comment: Manufacturer to provide conformity report to confirm FR.

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## Bungee Run

Blower is no more than 1.5m forward of the rear wall: True

Comment: Blower is no more than than 1.5m metres forward of the rear wall.

Marking present to indicate max user mass of 120kg: True

Comment: Markings show that max user mass is 120kg.

Marking present to indicate Minimum user height of 1.2m: True

Comment: Markings show that minimum user height is 1.2m.

Harness pull strength test to 1200n: True

Comment: Harness confirmed to max load of 2400n using calibrated crane scale.

All cords are a maximum length of 3.3m: True

Comment: Cord lengths are no longer than 3.3 metres.

All cord diametres are a minimum of 12.5 millimetres in diameter: True

Comment: All cords are a minimum of 12.5mm in diameter.

Two-Stage locking system present: True

Comment: Two stage locking system present.

Baton is compliant: True

Comment: Baton is easily held, located, released and placed by the user.

Each lane is a max of 900mm wide: True

Comment: Each running lane is a maximum of 0.9m measured from inside wall to wall.

Harness width in millimetres: 200

Harness width meets requirements: True

Comment: Harness is at least 200 millimetres wide.

Number of cords: 200

Rear wall thickness in metres: 0.6

Rear wall height in metres: 1.8

Rear wall dimensions meets requirements: True

Comment: The rear wall is a minimum of 1.8m measured from the bed and a minimum of 600mm thick.

Side wall (starting position) length in metres: 1.5

Side wall (starting position) height in metres: 1.7

Side wall (starting position) dimensions meets requirements: True

Comment: The rear most section of the outside containment wall and the lane diver walls are a minimum of 1.7m in height and 1.5 in length.

Running walls thickness in metres: 0.45

Running walls height in metres: 0.9

Running walls (starting position) dimensions meets requirements: True

Comment: The side running walls and dividing lane barriers are a minimum of 450mm thick and 0.9m tall (measured from the bed).

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## Fan/Blower

Blower Size: Reaches 1.0 kpa pressure on a 1.5hp blower.

Return Flap Pass/Fail: True

Finger Probe Test Pass/Fail: True

Comment: 8mm finger probe does not pass and come into contact with any hot or moving part.

PAT Test Pass/Fail: True

Comment: Customer own certificate.

Visual Inspection Pass/Fail: True

Comment: Passes visual inspection and suitable.

Blower Serial: cc11.5hp

## Risk Assessment

The suitability of all materials used in manufacturing should be taken from conformity reports. Where not available these should be requested from the manufacturer/importer.

Safety aspects should be taken from the user manual provided by the manufacturer. If not provided then this should be requested or created by the controller.

Not to be used in wind speeds in excess of 38Kph.

A competent adult should supervise the inflatable and users at all times.

All anchor points to be used at all times.

All parts relevant to bsen14960 part 4 have been taken into consideration and used where applicable. This unit is not specifically a bungee run, but comes close in most areas and all relevant parts of bsen14960 part 4 have been used to risk assess and determine that it all meets all requirements where that standard is applicable.

Advisory: Operations Manual not presented at time of inspection. Controller advised to obtain or develop the operations manual to ensure that they can demonstrate their duty, safe use and set-up.

Inflatable device inspected for outdoor and indoor use.

Testimony: I certify that the equipment identified above was inspected and complied with the safety criteria required using all relevant sections of the European Standard EN 14960:2019 on the above date.

## Inflatable Photo



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Additional Photo 1



Additional Photo 2



Additional Photo 3



Additional Photo 4

